

Applicant: John K. Smith
Application Serial No.: 09/660,078
Filing Date: September 11, 2000
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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An endovascular prosthesis comprising:
 - a. an endovascular member having a tubular structure comprising one of a hook structure and a loop structure;
 - b. a patch for placement against said endovascular member, said patch having a structure comprising the other of said hook structure and said loop structure, and said patch comprising a tape configuration;wherein said hook structure and said loop structure are matingly engageable so as to maintain said patch in substantially fluid tight engagement with said endovascular member; and
wherein said endovascular member is selected from the group consisting of grafts, stents and stent-grafts.
2. (cancelled)
3. (original) The endovascular prosthesis of claim 1, wherein said hook and loop structures are comprised of textile materials.
4. (original) The endovascular prosthesis of claim 1, wherein said hook and loop structures are selected from the group consisting of polypropylene, polyethylene terephthalate, polyurethane, a copolyester elastomer, and nylon.

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5. (currently amended) A method of repairing a damaged area of an endovascular prosthesis having a hook or loop structure and which is positioned within a body lumen, comprising the step of:

attaching a patch to a tubular endovascular prosthesis, said endovascular prosthesis including a damaged area, wherein said patch has a hook or loop structure cooperative with a hook or loop structure of said endovascular member for maintaining said patch in substantially fluid tight communication with said endovascular member;

wherein said patch covers said damaged area of said endovascular prosthesis; and
wherein said tubular endovascular prosthesis is selected from the group consisting of grafts, stents and stent-grafts.

6. (original) The method of claim 5, further comprising the step of delivering said patch to said endovascular member through a body lumen containing said endovascular member.

7. (original) The method of claim 5, wherein said patch comprises one of a hook structure and a loop structure and said endovascular member comprises the other of said hook structure and said loop structure.

8. (original) The method of claim 5, wherein said attaching step occurs *in situ*.

9. (original) The method of claim 5, wherein said attaching step is effected by expanding a balloon affixed to a catheter to cause said hook or loop structure of said patch to engage the other of said hook or loop structure of said endovascular member.

10. (original) The method of claim 6, wherein said delivery step is effected by use of a catheter.

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11. (original) The method of claim 6, wherein said delivery step is effected by use of a balloon catheter.

12 -27 (cancelled)